Abstract

Title: Assessing the activity of ice hockey players depending on the size of the ice rink and the number of players in youth categories of ice hockey

Objectives: The main objective of the thesis is to compare the number of shots, goalkeeper saves, pass attempts, pass completions, time spent puckhandling, situations 1-1, fouls and goals in minihockey depending on the size of the playing area and the number of players. In order to fulfill the objective of the thesis the scientific question will be answered: What is the best organization of the game and the size of the ice rink based on proportionately the highest total viewed gaming activities?

Methods: We analyze the viewed activities based on 40 video recordings of games of players born in 2007. These will be compared taking into consideration the individual game organization and structures of the ice rink; thereafter the statistical significance of individual differences will be determined. Subsequently, the raw scores will be converted into standardized scores, T-points. Based on the values of T-points the most appropriate size of the ice rink and number of players for an effective development of the gaming activities will be determined.

Results: Based on an analysis of the minihockey gaming activities depending on the game organization and structure of the ice rink, it was found that the largest use of frequency of the rate of utility of the selected gaming activities for primary school age players occurs when playing 3-3 half-ice. Thereafter, a comparison of the game organizations and structures of the ice rink in terms of efficiency in the development of various gaming activities was carried out. Also a statistical significance of the individual differences in the frequency of use of gaming activities in various game organizations and structures of the ice rink was found, where 12 of the 48 differences was statistically significant.

Keywords: Time utilization, minihockey, activity analysis